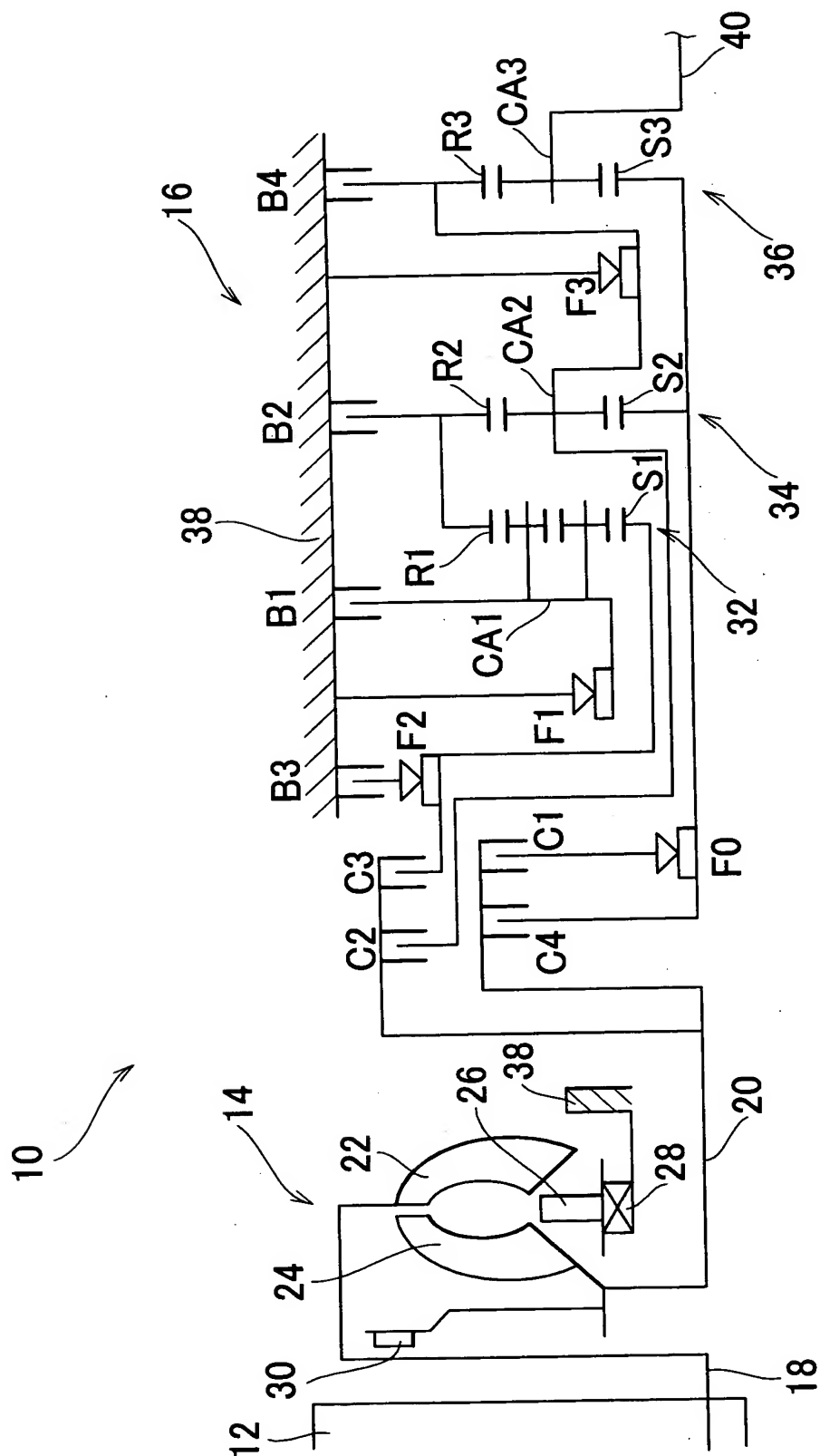


FIG. 1



# FIG. 2

	C1	C2	C3	C4	B1	B2	B3	B4	F0	F1	F2	F3
Rev			○		△			○		○		
N												
1st	○			△				△	○			○
2nd	○			△		△	○		○	○	○	
3rd	○		○	△	△		●		○	○		
4th	○	○	●	△			●		○			
5th	●	○	○		○		●					
6th	●	○			●	○	●					

FIG. 3

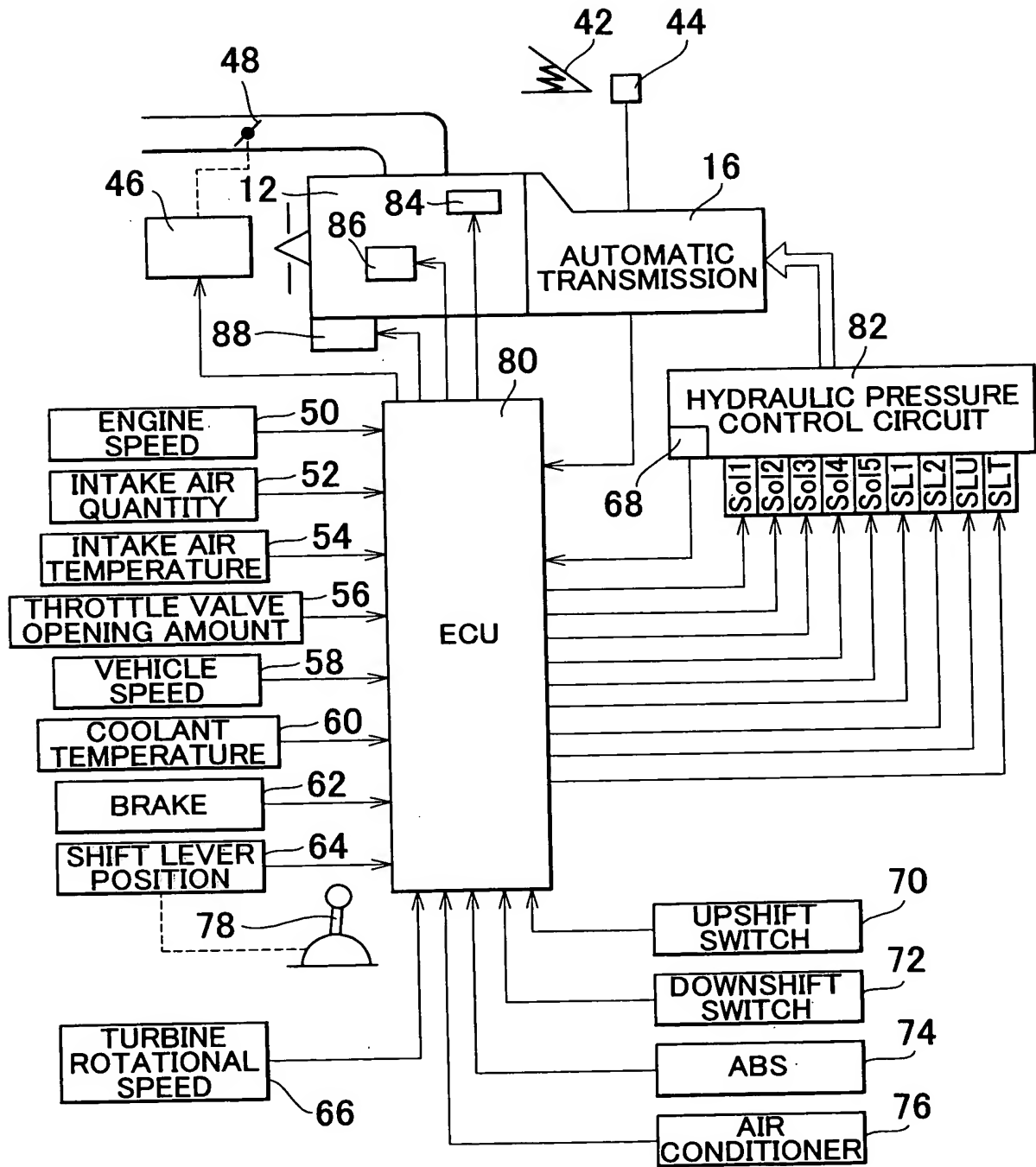
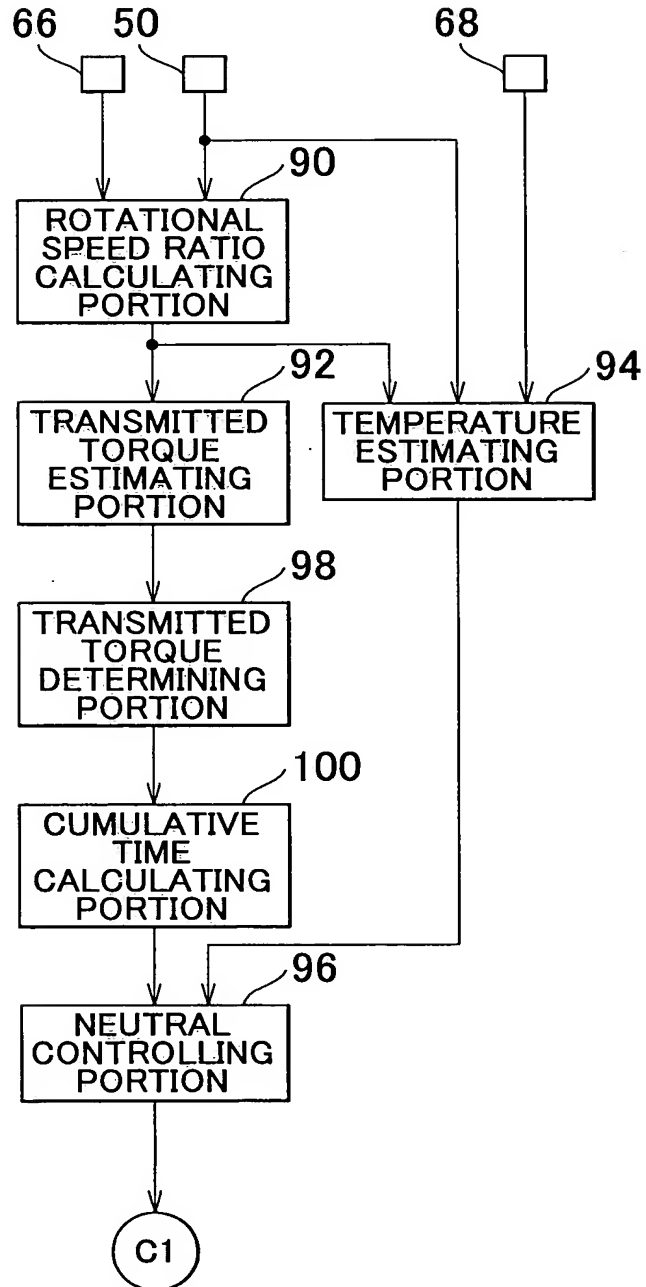


FIG. 4



```

graph TD
    Start([NEUTRAL CONTROL]) --> SA1{F1 = 1 ?}
    SA1 -- NO --> SA2{ARE CONDITIONS FOR STARTING NEUTRAL CONTROL FULFILLED ?}
    SA1 -- YES --> SA5{IS CONDITION FOR ENDING NEUTRAL CONTROL FULFILLED ?}
    SA2 -- YES --> SA3[START NEUTRAL CONTROL]
    SA2 -- NO --> SA1
    SA3 --> SA4[F1 ← 1]
    SA4 --> SA2
    SA5 -- YES --> SA12[F1 ← 0]
    SA5 -- NO --> SA6[CALCULATE ROTATIONAL SPEED RATIO e]
    SA6 --> SA7[CALCULATE ESTIMATED TRANSMITTED TORQUE tc1trq]
    SA7 --> SA8{tc1trq ≥ TRQTH ?}
    SA8 -- YES --> SA9[tentn = tentn-1 + 1]
    SA8 -- NO --> SA10{tentr ≥ TENTRED ?}
    SA9 --> SA10
    SA10 -- YES --> SA11[END NEUTRAL CONTROL]
    SA10 -- NO --> SA2
    SA11 --> SA12
    SA12 --> RETURN([RETURN])

```

FIG. 6

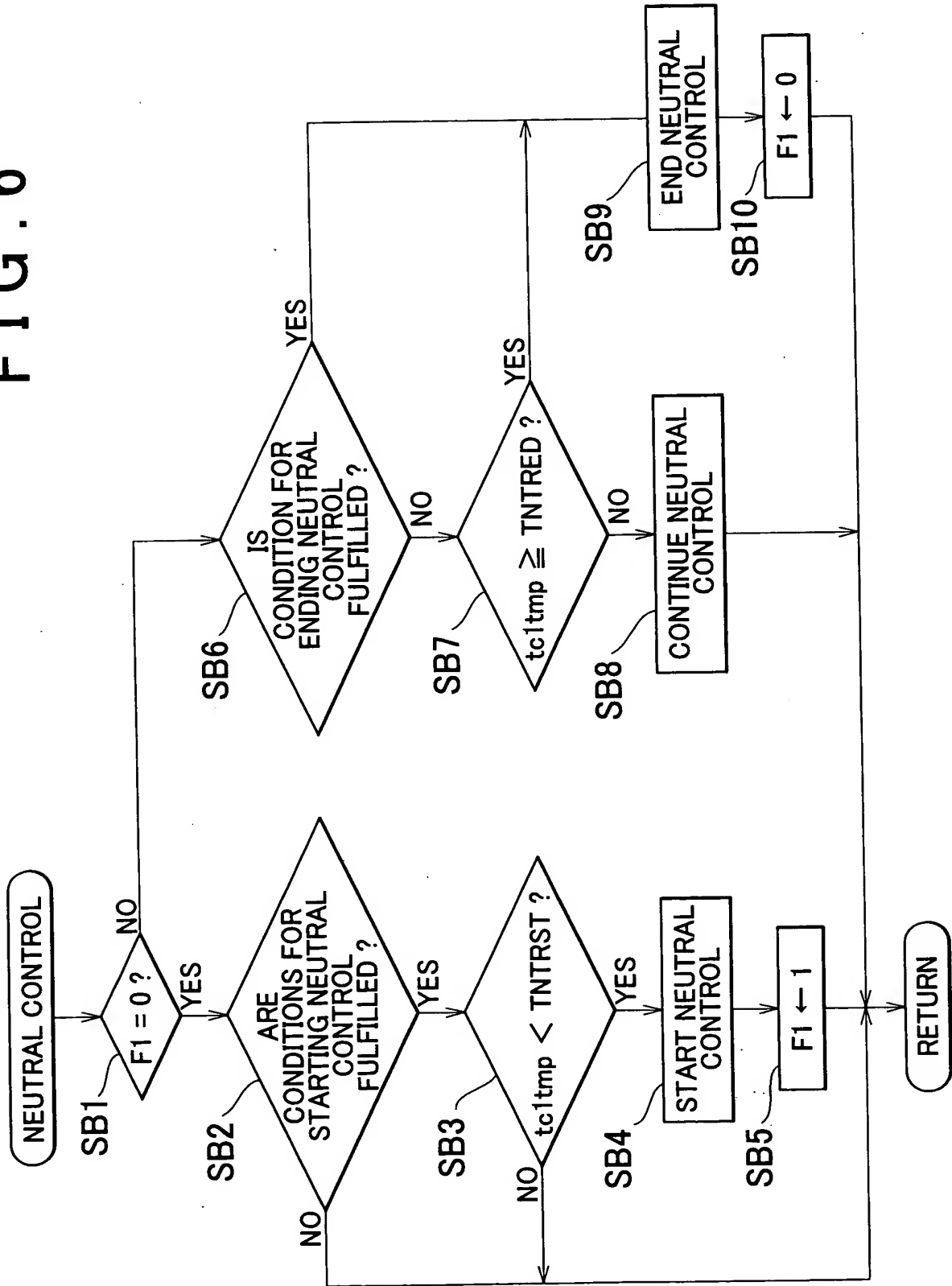
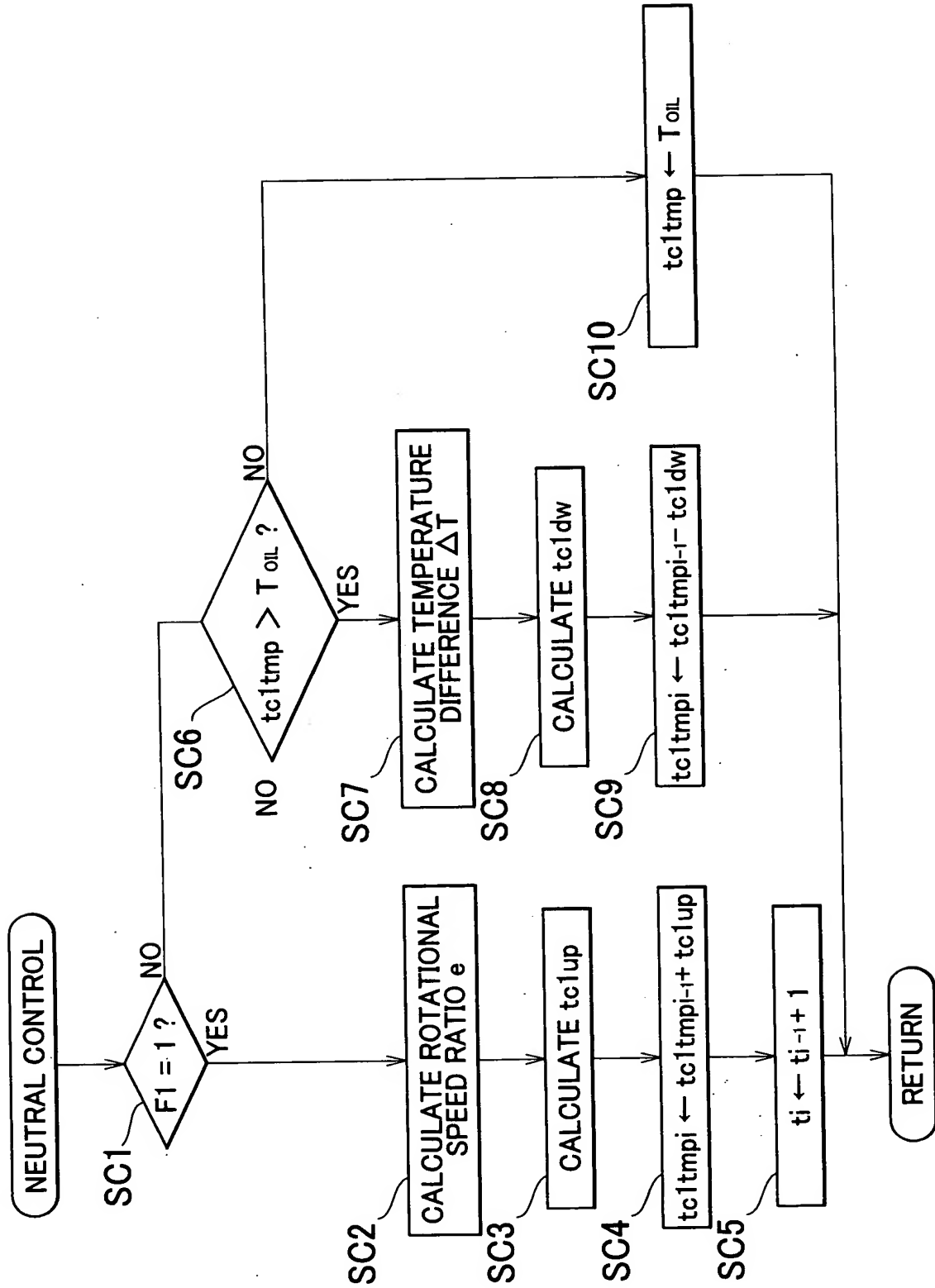


FIG. 7



## FIG. 8

(tc1enetmp\_map)

	e1	e2	e3	e4	...	en
NE1	...	...	...	...		...
NE2	...	...	...	...		...
⋮	...	...	...	...		...
NEm	...	...	...	...		...

## FIG. 9

(tc1tho\_map)

T <sub>OIL1</sub>	T <sub>OIL2</sub>	T <sub>OIL3</sub>	T <sub>OIL4</sub>	...	T <sub>OILn</sub>
...	...	...	...		...



## FIG. 10

(tc1ntrexetho\_map)

$t_1$	$t_2$	$t_3$	$t_4$	...	$t_n$
...	...	...	...		...

## FIG. 11

(c1tmpdw\_map)

$\Delta T_1$	$\Delta T_2$	$\Delta T_3$	$\Delta T_4$	...	$\Delta T_n$
...	...	...	...		...